

DISTRIBUTED AVERAGING ANALOG TO DIGITAL CONVERTER
TOPOLOGY

ABSTRACT OF THE DISCLOSURE

An analog to digital converter includes a first amplifier array connected to taps from a reference ladder, a second amplifier array, wherein each amplifier in the first amplifier array is connected to only two amplifiers of the second amplifier array, a third amplifier array, wherein each amplifier in the second amplifier array is connected to only two amplifiers of the third amplifier array, and an encoder connected to outputs of the third amplifier array that converts the outputs to an N-bit digital signal.

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